

TITLE V INDICATOR TEMPLATE

INDICATOR: Percent of Total Live Births by Adequacy of Prenatal Care Utilization (APNCU) Index

DEFINITION: The percent of live born infants whose mothers received adequate prenatal care as defined by the Adequacy of Prenatal Care Utilization Index (APNCU) developed by Milton Kotelchuck. This index does not assess the quality of the prenatal care that is delivered.

NUMERATOR: The number of live births to women who received adequate care, as defined by the APNCU criteria, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2010 OBJECTIVE:
 Increase the proportion of all pregnant women who receive early and adequate prenatal care to 90 percent of live births. (Baseline: 74 percent of live births in 1998) (Objective 16-6b)

RISK FACTORS:
Inadequate Prenatal Care
 Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (African American, Hispanic, American Indian/Alaskan Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

Year	California				LA County			
	Adequate Prenatal Care		95% Confidence Interval		Adequate Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper	Number	Percent	Lower	Upper
1993	401,698	68.7	68.6	68.8	123,741	65.2	65.0	65.4
1994	401,965	70.9	70.8	71.0	125,820	69.7	69.5	70.0
1995	393,989	71.5	71.4	71.6	124,668	71.3	71.1	71.5
1996	393,280	73.0	72.9	73.1	125,129	74.1	73.8	74.3
1997	377,072	71.9	71.8	72.1	119,305	73.6	73.4	73.8
1998	377,649	72.4	72.3	72.6	118,837	74.9	74.7	75.1
1999	379,000	73.2	73.0	73.3	118,302	75.8	75.5	76.0
2000	392,432	73.9	73.7	74.0	116,175	73.8	73.6	74.0
2001	379,402	71.9	71.8	72.1	113,108	73.7	73.5	73.9
2002	394,488	74.5	74.4	74.7	116,300	76.9	76.7	77.1

Denominator: Live Births		
Year	California	LA County
1993	584,483	189,706
1994	567,034	180,394
1995	551,226	174,862
1996	538,628	168,973
1997	524,174	162,036
1998	521,265	158,604
1999	518,073	156,153
2000	531,285	157,391
2001	527,371	153,523
2002	529,245	151,167

Note: The APNCU Index attempts to characterize prenatal care utilization on two independent and distinctive dimensions: Adequacy of Initiation of Prenatal Care and Adequacy of Received Services (once prenatal care has begun). The initial dimension, Adequacy of Initiation of Prenatal Care, characterizes the adequacy of the timing of initiation of care (month prenatal care began). The second dimension, Adequacy of Received Services, characterizes the adequacy of prenatal care visits (number of visits) received during the time the mother is actually in prenatal care (from initiation until delivery). The adequacy of prenatal care visits is based on the recommendations established by the American College of Obstetricians and Gynecologists.

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.